INDEX TO GEOGRAPHIC SCHOOL BULLETINS

Volume XXVII, No. 1, October 4, 1948, through No. 30, May 16, 1949

AFRICA

General: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Deserts Form Dry Belt Around Third of Earth, 1 ill., Nov. 29, 1948.
Additional ill.: Sahara, Berber woman carrying baskets, Jan. 24, 1949.
Bechuanaland: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Belgian Congo: Congo Drum-Telegraph Replaced by Radio, 1 ill., Mar. 7, 1949.
British Gambia: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
British Somaliland: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Cameroons: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Egypt: Britain Plans Dams at Source of Nile, map, Oct. 18, 1948.
"Khamsin" Brings Spring to Egypt, 2 ills., Apr. 25, 1949.
U. S. Onion Goes to Aid of Egypt's Farmers, 2 ills., Apr. 11, 1949.
Ethiopia: Ethiopia Regains Lost Province of Ogaden, 2 ills., Feb. 21, 1949.
French West Africa: Ill.: Dakar, Peanuts for export, Jan. 24, 1949.
Gold Coast: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Italian Somaliland: Powers Agree on Italian Somaliland, 1 ill., Nov. 1, 1948.
Kenya: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Libia: Fighting Senussi of Cirenaica Get Pledge, 1 ill., Apr. 4, 1949.
Mozambique: Portuguese Buy Beira, Portuguese Port, map, Jan. 31, 1949.
Nigeria: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Additional ill.: Kano, Merchants, Mar. 21, 1949.
Northern Rhodesia: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Nyasaland: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Sierra Leone: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
South Africa, Union of: Natal's Indians and Zulus Renew Rioting, 2 ills., Mar. 14, 1949.
Additional ill.: Kimberley, Diamond mine, Feb. 7, 1949.
South-West Africa: "Extinct" Strandloopers Found in Africa, 1 ill., Oct. 25, 1948.
Southern Rhodesia: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Tanganyika: Britain Plans Dams at Source of Nile, map, Oct. 18, 1948.
Togoland: British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.
Uganda: Britain Plans Dams at Source of Nile, map, Oct. 18, 1948.
British Plans Affect Varied Africa Holdings, 1 ill., Mar. 21, 1949.

ASIA

General: Deserts Form Dry Belt Around Third of Earth, 1 ill., Nov. 29, 1948.
Afghanistan: Afghanistan Gradually Discards Isolation, 2 ills., Nov. 29, 1948.
China: Canton Intermingles War and Commerce, 1 ill., Feb. 21, 1949.
Caves Studied for Art, A-Bomb Shelters, 1 ill., Jan. 3, 1949.
China's Yangtze Now Divides, Not Unites, 1 ill., Jan. 24, 1949.
Peiping's History Told in Name Changes, 2 ills., Jan. 17, 1949.
Suchow Stands at China's Meeting of Ways, 1 ill., Dec. 6, 1948.
Tai Shan Scaled by Stupendous Stairway, 2 ills., Nov. 1, 1948.
War's Tide Again Surges Toward Nanking, 2 ills., Jan. 3, 1949.
French Indochina: French Indochina Forms Tropical Crossroads, 2 ills., Mar. 7, 1949
Hyderabad: *See* India.
India: Glacier-Framed Kashmir Is Pawn in Struggle, 2 ills., Dec. 13, 1948.
Hyderabad Holds India's Famed Cave Temples, 1 ill., Oct. 11, 1948.
India's Constitution Bans Untouchability, 1 ill., Jan. 10, 1949.
Men Again Challenge India's Killer Mountain, map, Feb. 14, 1949.
Additional ill.: Bhavnagar, Cheetah and falcon, Mar. 21, 1949.
Iran: Meshed Is Mecca for Iran's Shiite Sect, 1 ill., Nov. 8, 1948.
Iraq: Arabs' Neutral Territories May Have Oil, 1 ill., Nov. 22, 1948.
Israel: Gaza Is Key Arab Town in Negeb Strife, 1 ill., Nov. 15, 1948.
New Palestine Plan Would Alter Borders, 2 ills., Oct. 18, 1948.
Jammu and Kashmir: *See* India.
Japan: Ills.: Eel hatchery, Oct. 25, 1948; Honshu, Harvesting tea, Shizuoka, Mar. 28, 1949.
Kashmir: *See* India.
Kuwait: Arabs' Neutral Territories May Have Oil, 1 ill., Nov. 22, 1948.
Lebanon: Americans Leave Impress on Lebanon, 1 ill., Jan. 3, 1949.
Manchuria: Vast Manchuria Once Again a Pawn of War, 1 ill., Nov. 22, 1948.
Nepal: Scientists Seek Wildlife Secrets in Nepal, 2 ills., Oct. 18, 1948.
Scientists Traverse Nepal's Rugged Roads, 2 ills., Mar. 21, 1949.
Neutral Territories: Arabs' Neutral Territories May Have Oil, 1 ill., Nov. 22, 1948.
Palestine: New Palestine Plan Would Alter Borders, 2 ills., Oct. 18, 1948.
See also Israel.
Saudi Arabia: Arabs' Neutral Territories May Have Oil, 1 ill., Nov. 22, 1948.
Dhahran Brightens Drab Arabian Sands, 1 ill., Mar. 28, 1949.
Siam: Siam May Trade Rice for Railroads, 1 ill., map, Jan. 10, 1949.
Tibet: For U. S. Trade, Tibet May Break Old Rules, 2 ills., Oct. 4, 1948.
U. S. S. R. (Asiatic): Siberia's Baikal Is World's Deepest Lake, 1 ill., Mar. 28, 1949.

EUROPE

General: DP's Starting for America Know Trades, 1 ill., Oct. 25, 1948.
Danube Flows Wrong Way for Maximum Trade, 2 ills., Nov. 8, 1948.
Austria: Alpine Lands in South Austria Disputed, 1 ill., Mar. 7, 1949.
Vienna Coffeehouses Stage Postwar Revival, 1 ill., Jan. 3, 1949.
British Commonwealth: *See* Africa: Bechuanaland; British Gambia; British Somaliland; Cameroons; Gold Coast; Kenya; Nigeria; Northern Rhodesia; Nyasaland; Sierra Leone; South Africa, Union of; Southern Rhodesia; Tanganyika; Togoland; Uganda; Asia: India; Australia and New Zealand: Australia; New Zealand; Europe: England; Gibraltar; Wales: Islands and Island Groups: Ceylon; Ellesmere; New Guinea; Orkney; Solomon; Tokelau; *and* North America: Canada.
Denmark: *See* Islands and Island Groups: Bornholm, Frisian.
England: Atomic Center Modernizes Ancient Harwell, 1 ill., Nov. 15, 1948.
Basket Weaving Boomed by War and Picnics, 2 ills., Jan. 24, 1949.
Bridge Across English Channel Proposed, 1 ill., Nov. 1, 1948.
Magazine Portrays Britain's Gifts to World, 2 ills., May 2, 1949.
Finland: Gold Rush Lends Color to Bleak Lapland, 2 ills., Feb. 28, 1949.
France: Bordeaux Still Thrives on Wine Industry, 1 ill., Feb. 7, 1949.
Nations Talk Defense at Fontainebleau, 1 ill., Mar. 14, 1949.
Threat to Neutral Isle on French Border Is Geographic, Not Political (Note following Bulletin No. 5), Jan. 31, 1949.
War-Battered Caen Rebuilding University, map, Dec. 13, 1948.
Additional ill.: Lascaux Cave, Schoolboys, Jan. 3, 1949.

Boundaries: Arabs' Neutral Territories May Have Oil, 1 ill., Nov. 22, 1948.
Danube Flows Wrong Way for Maximum Trade, 2 ills., Nov. 8, 1948.
Glacier-Framed Kashmir Is Pawn in Struggle, 2 ills., Dec. 13, 1948.
Law and Order Reached Oregon 100 Years Ago, 2 ills., Nov. 15, 1948.
New Palestine Plan Would Alter Borders, 2 ills., Oct. 18, 1948.
Threat to Neutral Isle on French Border Is Geographic, Not Political (Note following Bulletin No. 5), Jan. 31, 1949.
Conferences: Nations Talk Defense at Fontainebleau, 1 ill., Mar, 14, 1949.
Government: Americans Leave Impress on Lebanon, 1 ill., Jan. 3, 1949.
Asunción Views Another Bloodless Revolution, 1 ill., map, Feb. 21, 1949.
Ceylon, Former Crown Colony, Now Dominion, 2 ills., Dec. 6, 1948.
Eire Cuts Final Tie with British Crown, 2 ills., Jan. 10, 1949.
Fighting Senussi of Cirenaica Get Pledge, 1 ill., Apr. 4, 1949.
French Indochina Forms Tropical Crossroads, 2 ills., Mar. 7, 1949.
India's Constitution Bans Untouchability, 1 ill., Jan. 10, 1949.
Law and Order Reached Oregon 100 Years Ago, 2 ills., Nov. 15, 1948.
New Guinea's Port Moresby Due for Growth, 1 ill., Apr. 11, 1949.
Newfoundland to Become Canadian Province, 1 ill., Nov. 1, 1948.
Portuguese Buy Beira, Portuguese Port, map, Jan. 31, 1949.
Powers Agree on Italian Somaliland, 1 ill., Nov. 1, 1948.
Tokelau Islands Annexed by New Zealand, 2 ills., Jan. 31, 1949.
Vast Manchuria Once Again a Pawn of War, 1 ill., Nov. 22, 1948.
Mandates: Memorial Research Starts on Pacific Isles, 1 ill., map, Nov. 29, 1948.
Treaties and Leagues: Arabs' Neutral Territories May Have Oil, 1 ill., Nov. 22, 1948.
Threat to Neutral Isle on French Border Is Geographic, Not Political (Note following Bulletin No. 5), Jan. 31, 1949.
United Nations: Americans Leave Impress on Lebanon, 1 ill., Jan. 3, 1949.
Memorial Research Starts on Pacific Isles, 1 ill., map, Nov. 29, 1948.
New Guinea's Port Moresby Due for Growth, 1 ill., Apr. 11, 1949.
Rhodes Again Makes International News, 1 ill., Feb. 7, 1949.

TRANSPORTATION AND COMMUNICATIONS

General: Aided by Engines, Man Outspeeds Animals, 1 ill., Mar. 21, 1949.
Aircraft and Aviation: Helicopters and Archeology Mix in Panama, 1 ill., Apr. 11, 1949.
"Kitty Hawk" Return Recalls Odd Sidelights, 1 ill., Jan. 10, 1949.
Airports: Ill.: Canada, RCAF station, Cormorant Lake, Oct. 18, 1948.
Animals: Ills.: China, Camels, Sinkiang, Nov. 29, 1948; Donkey cultivating, Dec. 6, 1948. Frisian Islands, Horse, Fano, Apr. 11, 1949. Ireland, Republic of, Donkeys, Jan. 10, 1949. Libia, Camels, Apr. 4, 1949. Nepal, Elephant, Mar. 21, 1949. Palestine, Camels, Nov. 15, 1948.
Aqueducts: Ill.: Portugal, At Lisbon, Mar. 28, 1949.
Automobiles: Ills.: China, Nanking, Jan. 3, 1949. France, Paris, Mar. 14, 1949. Tennessee, On Clingman's Dome road, May 16, 1949.
Bicycles: Ills.: China, Peiping, Jan. 17, 1949. Israel, On ocean promenade, Tel Aviv, Oct. 18, 1948.
Boats and Ships: Figureheads Adorn New Norwegian Freighters, 1 ill., Feb. 28, 1949.
Submarine Captured in Classic Lake Como, 1 ill., Dec. 6, 1948.
Treasure-Trove in Millions Awaits Salvaging, 1 ill., Feb. 28, 1949.
Umiak Passing from Eskimo Scene, 1 ill., Oct. 4, 1948.
Additional ills.: China, Boats, Canton, Feb. 21, 1949; Junks on Yangtze, Jan. 24, 1949. French Indochina, Boat in backwater, Hué, Mar. 7, 1949. Hungary, Waterfront, Budapest, Nov. 8, 1948. Philippines, Republic of the, Sailboat, Aparri, Feb. 21, 1949. Rhodes, Steamship, Feb. 7, 1949. Wales, Coracles, Towy River, Feb. 28, 1949.
Bridges: Bridge Across English Channel Proposed, 1 ill., Nov. 1, 1948.
Covered Bridges Linger 'mid Traffic's Roar, 2 ills., Nov. 1, 1948.
Additional ills.: California, Golden Gate Bridge, San Francisco, Dec. 6, 1948. Switzerland, Across Rhone, Geneva, May 2, 1949. U. S. S. R. (Asiatic), Across Angara River, Irkutsk, Mar. 28, 1949. Washington, Over Spokane River, Spokane, Feb. 7, 1949.
Buses: Ill.: Ecuador, On Pan American Highway at Cayambe, Oct. 25, 1948.
Carriages: Ills.: China, Horse-drawn, Nanking, Jan. 3, 1949. Manchuria, Russian droshky-type, Fushun, Nov. 22, 1948.
Carrying Poles: Ills.: Africa, Fording river, Ethiopia, Feb. 21, 1949. China, Peiping, Jan. 17, 1949.
Carts: Ills.: France, Two-wheeled, Bordeaux, Feb. 7, 1949. Mexico, Oxcart, Perote, May 9, 1949.
Chairs: Ill.: China, Canopied chair, Tai Shan, Nov. 1, 1948.
Drums: Congo Drum-Telegraph Replaced by Radio, 1 ill., Mar. 7, 1949.
Highways and Roads: New Road Approaches Ancient Machu Picchu, 2 ills., Nov. 8, 1948.
"R" Means Nothing to Refrigerated Oyster, 1 ill., May 2, 1949.
Additional ills.: Afghanistan, Street, Girishk, Nov. 29, 1948. District of Columbia, Pennsylvania Avenue, Dec. 13, 1948. Ecuador, Pan American Highway, Cayambe, Oct. 25, 1948. New Guinea, Street, Port Moresby, Apr. 11, 1949. New Zealand, Country road, South Island, Dec. 13, 1948. Palestine, Road between Gaza and Jaffa, Nov. 15, 1948. Tennessee, On Clingman's Dome, May 16, 1949. Yugoslavia, Street, Belgrade, Apr. 11, 1949.
Lighthouses: Statue of Liberty to Get New Sea Wall, 2 ills., Feb. 14, 1949.
Additional ills.: England, Near Beachy Head, Nov. 1, 1948. Rhodes, Feb. 7, 1949.
Motor Cycles: Ill.: France, Paris, Mar. 14, 1949.
Postal Service: Volunteer Firemen Honored by Stamp, 1 ill., Oct. 11, 1948.
Additional ill.: Netherlands, Streetcar mailbox, Amsterdam, Oct. 4, 1948.
Printing: Ill.: Lebanon, Printer at Beirut examining pamphlet, Jan. 3, 1949.
Radio: Congo Drum-Telegraph Replaced by Radio, 1 ill., Mar. 7, 1949.
Railroads: Suchow Stands at China's Meeting of the Ways, 1 ill., Dec. 6, 1948.
Additional ills.: Colorado, Ouray, Feb. 28, 1949. Illinois, Train running through snowbank, Dec. 13, 1948. New Hampshire, Up Mt. Washington, Mar. 14, 1949. U. S. S. R. (Asiatic), Yards, Irkutsk, Mar. 28, 1949. Virginia, Alexandria, Mar. 28, 1949.
Rickshas: Ill.: China, Nanking, Jan. 3, 1949; Peiping, Jan. 17, 1949.
Rivers: Danube Flows Wrong Way for Maximum Trade, 2 ills., Nov. 8, 1948.
Streetcars: Ills.: China, Peiping, Jan. 17, 1949. Egypt, Cairo, Apr. 25, 1949. Netherlands, Amsterdam, Oct. 4, 1948.
Wagons: Ill.: U. S. S. R. (European), Farmers cart hay to village, Chubukhli, Dec. 6, 1948.

COMMERCE, INDUSTRY, AND AGRICULTURE

Agriculture: Ceylon, Former Crown Colony, Now Dominion, 2 ills., Dec. 6, 1948.
"Khamsin" Brings Spring to Egypt, 2 ills., Apr. 25, 1949.
Midwest Farmers Fear Bad Grasshopper Year, 1 ill., Feb. 21, 1949.
U. S. Onion Goes to Aid of Egypt's Farmers, 2 ills., Apr. 11, 1949.
U. S. Tea Board Again Sets Standards, 2 ills., Mar. 28, 1949.
Unkind Weather Checks Tomato Success Story, 1 ill., Nov. 8, 1948.
Additional ills.: Austria, Raking hay, Styria, Mar. 7, 1949. China, Cultivating along Yellow River, Dec. 6, 1948. Majorca, Terraced hillsides, Mar. 14, 1949. Oregon, Harvesting wheat, Nov. 15, 1948. Orkneys, Harvesting potatoes, Mar. 21, 1949.
Bazaars: *See* Stores and Bazaars.
Canneries and Canning: Ills.: Hawaii, Pineapple cannery, Apr. 25, 1949. Israel, Women workers, Giv'at Brenner, Oct. 18, 1948. New Jersey, Preparing tomatoes for soup, Nov. 8, 1948.
Cinchona: Ill.: Java, Pressing cinchona bark, Bandoeng, Jan. 17, 1949.

UMI

New York—*Continued*
Saratoga Park Taps Hudson Valley History, map, Dec. 6, 1948.
Statue of Liberty to Get New Sea Wall, 2 ills., Feb. 14, 1949.
Additional ill.: New York City, Clocks in *Daily News* building, Feb. 7, 1949.
North Carolina: "Kitty Hawk" Return Recalls Odd Sidelights, 1 ill., Jan. 10, 1949.
North Dakota: Teddy Roosevelt Park Recalls Wild-West Days, 1 ill., May 2, 1949.
Oregon: Columbia River System Works Hard for Man, 2 ills., Feb. 7, 1949.
Law and Order Reached Oregon 100 Years Ago, 2 ills., Nov. 15, 1948.
Additional ill.: Mt. Hood, May 16, 1949.
Pennsylvania: Lincoln's Gettysburg Address 85 Years Old, 1 ill., Nov. 29, 1948.
Tennessee: Ills.: Great Smoky Mountains National Park, May 16, 1949. Memphis, Fireman jumping into net, Oct. 11, 1948.
Utah: Grosvenor Arch Joins Utah's Natural Wonders, 1 ill., Jan. 31, 1949.
Vermont: Ill.: Covered bridge over Connecticut River from Norwich to Hanover, New Hampshire, Nov. 1, 1948.
Virginia: "R" Means Nothing to Refrigerated Oyster, 1 ill., May 2, 1949.
200-Year-Old Alexandria Plans Full Season, 1 ill., Mar. 28, 1949.
Williamsburg Preens for Eventful 250th Year, 1 ill., Apr. 25, 1949.
Yorktown Battle Had "Modern" War Features, 2 ills., Oct. 11, 1948.
Washington: Columbia River System Works Hard for Man, 2 ills., Feb. 7, 1949.

CENTRAL AMERICA

Panama: Helicopters and Archeology Mix in Panama, 1 ill., Apr. 11, 1949.
Spirit of Gran Colombia Lives Again, 3 ills., Oct. 25, 1948.

SOUTH AMERICA

Argentina: *See* Islands and Island Groups: Tierra del Fuego.
Bolivia: Unrest Hits Bolivia, the American Tibet, 2 ills., Nov. 15, 1948.
Brazil: Ills.: Coffee-making clock, Feb. 7, 1949; Rio de Janeiro, Toy shop, Dec. 13, 1948.
Chile: *See* Islands and Island Groups: Tierra del Fuego.
Colombia: Spirit of Gran Colombia Lives Again, 3 ills., Oct. 25, 1948.
Ecuador: Spirit of Gran Colombia Lives Again, 3 ills., Oct. 25, 1948.
Paraguay: Asunción Views Another Bloodless Revolution, 1 ill., map, Feb. 21, 1949.
Peru: New Road Approaches Ancient Machu Picchu, 2 ills., Nov. 8, 1948.
Venezuela: Spirit of Gran Colombia Lives Again, 3 ills., Oct. 25, 1948.
Venezuela's New Rulers Control Rich Nation, 2 ills., Jan. 3, 1949.

AUSTRALIA AND NEW ZEALAND

Australia: Arnhem Land Expedition Reports Progress, 1 ill., Oct. 4, 1948.
Australia Deserts to Serve as Rocket Range, 2 ills., May 2, 1949.
New South Wales Shows the Way in Australia, 2 ills., Apr. 4, 1949.
New Zealand: New Zealand Adds to World Volcanic Action, 2 ills., Mar. 7, 1949.
Tokelau Islands Annexed by New Zealand, 2 ills., Jan. 31, 1949.
Wellington, N. Z., Seat of New U. S. Embassy, 1 ill., Dec. 13, 1948.

ISLANDS AND ISLAND GROUPS

General: Memorial Research Starts on Pacific Isles, 1 ill., map, Nov. 29, 1948.
The World's Ten Largest Islands (Note following Bulletin No. 2), May 9, 1949.
Balearic: Air Travel Brings Remote Majorca Closer, 1 ill., Mar. 14, 1949.
Bedloe's: Statue of Liberty to Get New Sea Wall, 2 ills., Feb. 14, 1949.
Bikini: Bikinians Find Productive Home on Kili, 2 ills., Feb. 14, 1949.
Bornholm: Ill.: Beach, Jan. 10, 1949.
Bougainville: Ill.: Preparations for feast, Jan. 24, 1949.
Ceylon: Ceylon, Former Crown Colony, Now Dominion, 2 ills., Dec. 6, 1948.
Ellesmere: Finding of Cairn Recalls Peary's Exploits, 1 ill., Oct. 25, 1948.
Frisian: New Island Appears in Frisian Chain, 2 ills., Apr. 11, 1949.
Greenland: Umiak Passing from Eskimo Scene, 1 ill., Oct. 4, 1948.
Additional ill.: Kap York, Peary monument, Oct. 25, 1948.
Hawaii, Territory of: Hawaii Would Add Tropic Star to Union, 2 ills., Apr. 25, 1949.
Indonesia: Netherlands Empire Marks Golden Jubilee, 1 ill., Oct. 4, 1948.
Java: Batavia and Jogjakarta Offer Java Contrast, 2 ills., Jan. 17, 1949.
Kili: Bikinians Find Productive Home on Kili, 2 ills., Feb. 14, 1949.
Kodiak: Navy Maneuvers Spotlight Kodiak Island, 1 ill., Jan. 31, 1949.
Koror: Memorial Research Starts on Pacific Isles, 1 ill., map, Nov. 29, 1948.
Netherland East Indies: *See* Indonesia.
New Guinea: New Guinea's Port Moresby Due for Growth, 1 ill., Apr. 11, 1949.
Orkney: Orkneys Need No Extra Summer Daylight, 2 ills., Mar. 21, 1949.
Pheasants, Isle of: Threat to Neutral Isle on French Border Is Geographic, Not Political (Note following Bulletin No. 5), Jan. 31, 1949.
Philippines, Republic of the: Ill.: Aparri, Swarm of locusts, Feb. 21, 1949; Mindanao, Bamboo hut, May 16, 1949.
Rhodes: Rhodes Again Makes International News, 1 ill., Feb. 7, 1949.
Rongerik: Bikinians Find Productive Home on Kili, 2 ills., Feb. 14, 1949.
Saipan: Memorial Research Starts on Pacific Isles, 1 ill., map, Nov. 29, 1948.
Solomon: Jungle Covers Solomon Islands' War Scars, 2 ills., Jan. 24, 1949.
See also Bougainville.
Tierra del Fuego: Tierra del Fuego Goal of Modern Pilgrims, 2 ills., Nov. 22, 1948.
Tokelau: Tokelau Islands Annexed by New Zealand, 2 ills., Jan. 31, 1949.
Vieques: Vieques, War-Game Stage, Was Pirate Refuge, map, Mar. 21, 1949.
West Indies: *See* Vieques.

POLAR REGIONS

Arctic: Finding of Cairn Recalls Peary's Exploits, 1 ill., Oct. 25, 1948.

GEOGRAPHY, MAPS, AND MAP MAKING

Geography: Ill.: England, Schoolboys looking at globe, Bury St. Edmunds, May 2, 1949.
Map Making: Geographic's New Map of Washington, D. C., Wins Wide Acceptance (Note following Bulletin No. 4), Oct. 11, 1948.
Maps: Africa: Belgian Congo, Mozambique, and Northern and Southern Rhodesia, Jan. 31, 1949; Lake Victoria region, Oct. 18, 1948. Arizona, Grand Canyon, Havasupai Indian Reservation, Nov. 22, 1948. France, Channel coast, Dec. 13, 1949. Georgia, Okefinokee Swamp, showing Suwannee River at Florida border, Jan. 24, 1949. India, Jammu and Kashmir, Feb. 14, 1949. Micronesia, Nov. 29, 1948. New York, Adirondacks, Catskills, and Hudson Valley, Dec. 6, 1948. Paraguay, Feb. 21, 1949. Portugal, Mar. 28, 1949. Siam, Jan. 10, 1949. World map, showing weather zones, Jan. 17, 1949.

POLITICAL GEOGRAPHY

Bases, Air and Military: Dhahran Brightens Drab Arabian Sands, 1 ill., Mar. 28, 1949.
Navy Maneuvers Spotlight Kodiak Island, 1 ill., Jan. 31, 1949.
New Island Appears in Frisian Chain, 2 ills., Apr. 11, 1949.
Orkneys Need No Extra Summer Daylight, 2 ills., Mar. 21, 1949.
Vast Manchuria Once Again a Pawn of War, 1 ill. Nov. 22, 1948.
Vieques, War-Game Stage, Was Pirate Refuge, map, Mar. 21, 1949.

Arts and Handicrafts—*Continued*
safety pin, Apr. 4, 1949. Louisiana, Bronze bas-relief doors to Senate chamber, Baton Rouge, Feb. 21, 1949. Mexico, Fiesta masks, May 9, 1949. Southern Africa, Bushman painting, Oct. 25, 1948.
Baskets: Basket Weaving Boomed by War and Picnics, 2 ills., Jan. 24, 1949.
Additional ills.: Africa, Berber woman with palm-leaf baskets, Jan. 24, 1949. Paraguay, Woman with basket of vegetables on head, Feb. 21, 1949. Solomon Islands, Jan. 24, 1949.
Bible Landmarks: Gaza Is Key Arab Town in Negeb Strife, 1 ill., Nov. 15, 1948.
Buildings, Government and Commercial: 250-Year-Old Cahokia Was Hub of Early West, 1 ill., May 9, 1949.
Additional ills.: China, Canton, Feb. 21, 1949; Nanking, Jan. 3, 1949. Hungary, Hotel, Budapest, Nov. 8, 1948. Louisiana, Senate chamber, Baton Rouge, Feb. 21, 1949. Maine, Customhouse, Apr. 4, 1949. Tierra del Fuego, Prison at Ushuaia, Nov. 22, 1948. Venezuela, Sanitorium, Caracas, Jan. 3, 1949. Washington, D. C., Capitol, Jan. 17, 1949.
Castles and Palaces: Nations Talk Defense at Fontainebleau, 1 ill., Mar. 14, 1949.
Additional ills.: Afghanistan, Castle, Girishk, Nov. 29, 1948. England, Windsor Castle, May 2, 1949.
Children: Ills.: Arab boy, Mar. 28, 1949. Austria, Polish orphans, Salzburg, Oct. 25, 1948. Brazil, Baby with mother, Rio de Janeiro, Dec. 13, 1948. Germany, Boy, Berlin, Oct. 11, 1948. India, Boys, Bhavnagar, Mar. 21, 1949. Ireland, Republic of, Group at Cork, Jan. 10, 1949. Italy, Lake Como, Dec. 6, 1948. Lapland, Girl, Feb. 28, 1949. Maine, Boy, Apr. 4, 1949. Marshall Islands, On beach, Feb. 14, 1949. New Zealand, On country road, Dec. 13, 1948. Panama, Boy, Apr. 11, 1949. Tierra del Fuego, Indian girl, Nov. 22, 1948. United States, Two boys with Weather Bureau equipment, Feb. 14, 1949. Venezuela, Boy with turtle, La Guaira, Oct. 25, 1948. Virginia, Boy with dog, Yorktown, Oct. 11, 1948. Wales, In Caernarvon street, Feb. 28, 1949.
Churches, Temples, and Mosques: Hyderabad Holds India's Famed Cave Temple, 1 ill., Oct. 11, 1948.
Tai Shan Scaled by Stupendous Stairway, 2 ills., Nov. 1, 1948.
Additional ills.: Alaska, Russian church, Kodiak Island, Jan. 31, 1949. England, Church, Abingdon, Nov. 15, 1948. France, The Madeleine, Paris, Mar. 14, 1949. Italy, Chapel, Lake Como, Dec. 6, 1948. Nepal, Temple, Balaji, Oct. 18, 1948. Siam, Buddha, Ayutthaya, Jan. 10, 1949.
Clocks: Atomic Clock Re-Splits the Split Second, 2 ills., Feb. 7, 1949.
Additional ills.: Brazil, Coffee-making clock, Feb. 7, 1949. Wales, On gateway, Cardiff, Feb. 28, 1949.
Clothing and Costumes: Icy Mt. Washington Tests WAC Winter Wear, 2 ills., Mar. 14, 1949.
Additional ills.: Africa, Berber woman, Jan. 24, 1949. Bust of Queen Nefret-ity, Apr. 25, 1949. Ceylon, Women, Dec. 6, 1948. Denmark, Girl of North Frisian Islands, Apr. 11, 1949. Ecuador, Indians at Cayambe, Oct. 25, 1948. England, Schoolboys wearing caps and ties, Bury St. Edmunds, May 2, 1949. Ethiopia, White-robed Ethiopians, Addis Ababa, Feb. 21, 1949. French Indochina, Annamese woman: Tonkin girl, Mar. 7, 1949. India, Kashmiri woman with calf; Silk workers, Kashmir, Dec. 13, 1948. Japan, Tea pickers, Shizuoka, Mar. 28, 1949. Natal, Zulus, Mar. 14, 1949. Peru, Nov. 8, 1948. Philippines, Republic of the, Bagobo man and woman, Mindanao, May 16, 1949. Solomon Islands, Palm-leaf hat, Jan. 24, 1949. Tibet, Girl at Lhasa, Oct. 4, 1948. Virginia, Eighteenth-century costumes, Williamsburg, Apr. 25, 1949.
Coffeehouses: Vienna Coffeehouses Stage Postwar Revival, 1 ill., Jan. 3, 1949.
Dancers and Dancing: Ill.: Peru, Indians perform ancient Inca dance, Nov. 8, 1948.
Displaced Persons: DP's Starting for America Know Trades, 1 ill., Oct. 25, 1948.
Dwellings: Ills.: Australia, Hut of aborigine, Arnhem Land, Oct. 4, 1948. Ethiopia, Addis Ababa, Feb. 21, 1949. Mexico, Adobe houses, Perote; Jalapa, May 9, 1949. New Guinea, Nipa shacks, Port Moresby, Apr. 11, 1949. Orkney Islands, Farmhouses, Mar. 21, 1949. Philippines, Republic of the, Bamboo hut, May 16, 1949. Portugal, Lisbon, Mar. 28, 1949. U. S. S. R. (European), Hay-roofed houses, Chubukhli, Dec. 6, 1948. Virginia, St. George Tucker house, Williamsburg, Apr. 25, 1949.
Educational Institutions: Americans Leave Impress on Lebanon, 1 ill., Jan. 3, 1949.
War-Battered Caen Rebuilding University, map, Dec. 13, 1948.
Additional ills.: Australia, Royal Military College, Duntroon, Apr. 4, 1949. Austria, Students in coffeehouse, Vienna, Jan. 3, 1949. England, Edward VI Grammar School, Bury St. Edmunds, May 2, 1949.
Ethnology: Arnhem Land Expedition Reports Progress, 1 ill., Oct. 4, 1948.
"Extinct" Strandloopers Found in Africa, 1 ill., Oct. 25, 1948.
Expeditions: Finding of Cairn Recalls Peary's Exploits, 1 ill., Oct. 25, 1948.
Grosvenor Arch Joins Utah's Natural Wonders, 1 ill., Jan. 31, 1949.
Men Again Challenge India's Killer Mountain, map, Feb. 14, 1949.
1948 Explorers Ranged from Pole to Pole, 1 ill., Jan. 17, 1949.
Fairs and Expositions: Autumn Season of Farm Fairs Nears End, 2 ills., Oct. 4, 1948.
Fire Fighting: Volunteer Firemen Honored by Stamp, 1 ill., Oct. 11, 1948.
Food: *See* Commerce, Industry, and Agriculture: Eels, Oysters, Pineapples, Seafood, Tomatoes.
Forts and Fortifications: Britain Maintains Gibraltar's Ape Guard, 1 ill., May 9, 1949.
Additional ills.: Afghanistan, Girishk, Nov. 29, 1948. England, Windsor Castle, May 2, 1949. Virginia, Yorktown, Oct. 11, 1948.
Games and Sports: Football's Fall Spectacle Once Spring Sport, 1 ill., Nov. 22, 1948.
Additional ills.: Frisian Islands, Bathers, Fano, Apr. 11, 1949. Iowa, Checker tournament, Des Moines, Oct. 4, 1948. Marshall Islands, Bikini children playing darts, Feb. 14, 1949. Oregon, Man fishing in Lost Lake, May 16, 1949.
Gateways and Walls: Statue of Liberty to Get New Sea Wall, 2 ills., Feb. 14, 1949.
Additional ills.: China, Atop Tai Shan, Nov. 1, 1948; Gate from Chinese to Tatar City, Peiping, Jan. 17, 1949. France, Gateway, Bordeaux, Feb. 7, 1949. Germany, Rothenburg, Feb. 14, 1949. Wales, Medieval gate, Caernarvon, Feb. 28, 1949.
Guidebooks: Baedeker Guidebooks Stage Postwar Revival, 1 ill., Feb. 14, 1949.
Historical Persons, Places, and Events: *American Revolution:* Dam in Maine to Drown Benedict Arnold Site, 2 ills., Apr. 4, 1949.
Saratoga Park Taps Hudson Valley History, map, Dec. 6, 1948.
Yorktown Battles Had "Modern" War Features, 2 ills., Oct. 11, 1948.
Arnold, Benedict: Dam in Maine to Drown Benedict Arnold Site, 2 ills., Apr. 4, 1949.
Bolivar, Simon: Ill.: Statue at Caracas, Venezuela, Jan. 3, 1949.
British Coronation Parade: Ill.: England, London, May 2, 1949.
Cahokia, Illinois: 250-Year-Old Cahokia Was Hub of Early West, 1 ill., May 9, 1949.
Juliana, Queen of the Netherlands: Netherlands Empire Marks Golden Jubilee, 1 ill., Oct. 4, 1948.
Langley, Samuel Pierpont: "Kitty Hawk" Return Recalls Odd Sidelights, 1 ill., Jan. 10, 1949.
Lincoln, Abraham: Lincoln's Gettysburg Address 85 Years Old, 1 ill., Nov. 29, 1948.
Nefret-ity, Queen of Egypt: Ill.: Bust of, Apr. 25, 1949.
Peary, Robert E.: Finding of Cairn Recalls Peary's Exploits, 1 ill., Oct. 25, 1948.
Roosevelt, Theodore: Teddy Roosevelt Park Recalls Wild-West Days, 1 ill., May 2, 1949.
Washington, George: Yorktown Battle Had "Modern" War Features, 2 ills., Oct. 11, 1948.
Wilhelmina, Queen of the Netherlands: Netherlands Empire Marks Golden Jubilee, 1 ill., Oct. 4, 1948.
William I, King of England: War-Battered Caen Rebuilding University, map, Dec. 13, 1948.
Williamsburg, Virginia: Williamsburg Preens for Eventful 250th Year, 1 ill., Apr. 25, 1949.
Wright, Orville: "Kitty Hawk" Return Recalls Odd Sidelights, 1 ill., Jan. 10, 1949.
Wright, Wilbur: "Kitty Hawk" Return Recalls Odd Sidelights, 1 ill., Jan. 10, 1949.
Holidays and Celebrations: Gold-Rush Ghost Towns Continue Open House, 1 ill., Mar. 14, 1949.
Inaugurations Often Ignore Tradition, 1 ill., Jan. 17, 1949.
Netherlands Empire Marks Golden Jubilee, 1 ill., Oct. 4, 1948.
200-Year-Old Alexandria Plans Full Season, 1 ill., Mar. 28, 1949.
Williamsburg Preens for Eventful 250th Year, 1 ill., Apr. 25, 1949.
Additional ills.: Mexico, Man carving fiesta masks, May 9, 1949. Natal, Hindu festival, Durban, Mar. 14, 1949.

UMI

Coffee: Vienna Coffeehouses Stage Postwar Revival, 1 ill., Jan. 3, 1949.
Additional ill.: Brazil, Coffee-making clock, Feb. 7, 1949.
Commerce: Danube Flows Wrong Way for Maximum Trade, 2 ills., Nov. 8, 1948.
Copra: Ill.: Tokelau Islands, Jan. 31, 1949.
Cork: Drought Dries Crops, Cuts Power in Portugal, 1 ill., map, Mar. 28, 1949.
Dairies and Dairying: Ill.: China, Nanking, Jan. 3, 1949.
Diamonds: Ill.: Africa, Diamond mine, Kimberley, Feb. 7, 1949.
Eels: Eel Wriggles to Top of Nutrition List, 1 ill., Oct. 25, 1948.
Emeralds: Ill.: Colombia, Experts appraising, Oct. 25, 1948.
Fish and Fisheries: Herring Lends Luster to Artificial Pearls, 1 ill., Apr. 25, 1949.
Additional ills.: Oregon, Women holding Chinook salmon, Nov. 15, 1948. Tokelau Islands, Casting net, Jan. 31, 1949. Ukraine, Fishermen at Valcov, Nov. 8, 1948.
See also Eels, Oysters, Salmon, Seafood.
Flowers: *See* Lilies.
Fruits: Ill.: Paraguay, Woman carrying fruit, Asunción, Feb. 21, 1949.
Gold: Gold Inspires Man's Deepest Descents, 1 ill., Feb. 7, 1949.
Gold Rush Lends Color to Bleak Lapland, 2 ills., Feb. 28, 1949.
Tales of Pirate Gold Cling to Suwannee River, map, Jan. 24, 1949.
Granite: Ill.: North Dakota, Stone face of Theodore Roosevelt, May 2, 1949.
Harbors and Ports: Canton Intermingles War and Commerce, 1 ill., Feb. 21, 1949.
Cardiff Seeks Recognition as Welsh Capital, 2 ills., Feb. 28, 1949.
Portuguese Buy Beira, Portuguese Port, map, Jan. 31, 1949.
Statue of Liberty to Get New Sea Wall, 2 ills., Feb. 14, 1949.
Wellington, N. Z., Seat of New U. S. Embassy, 1 ill., Dec. 13, 1948.
Additional ills.: California, San Francisco, Dec. 6, 1948. Canada, Brigus, Newfoundland, Nov. 1, 1948. England, Great Yarmouth, Apr. 25, 1949. Hungary, Waterfront, Budapest, Nov. 8, 1948. Kodiak Island, Jan. 31, 1949. Mississippi, Biloxi, May 2, 1949. Rhodes, Feb. 7, 1949.
Hay: Ills.: Austria, Harvesting" Styria, Mar. 7, 1949. Colorado, Sheep eating, Ouray, Feb. 28, 1949. U. S. S. R. (European), At Chubukhli, Armenia, Dec. 6, 1948.
Herring: Herring Lends Luster to Artificial Pearls, 1 ill., Apr. 25, 1949.
Hydroelectric Plants: *See* Power, Hydroelectric.
Iron and Steel: New Steel Age Looms for North Norway, 1 ill., May 9, 1949.
Irrigation: Columbia River System Works Hard for Man, 2 ills., Feb. 7, 1949.
Dam at Folsom to Control California Waters, 1 ill., Nov. 8, 1948.
Additional ill.: Balearic Islands, Cistern and terraces, Banalbufar, Majorca, Mar. 14, 1949.
Lilies: Ill.: Florida, Apr. 11, 1949.
Markets: *See* Stores and Bazaars.
Mines and Minerals: Gold Inspires Man's Deepest Descents, 1 ill., Feb. 7, 1949.
New South Wales Shows the Way in Australia, 2 ills., Apr. 4, 1949.
Additional ill.: Bolivia, Llallagua tin mines at Catavi, Nov. 15, 1948.
See also Emeralds, Gold, Iron and Steel, Oil, Tin, Uranium.
Oil: Arabs' Neutral Territories May Have Oil, 1 ill., Nov. 22, 1948.
Dhahran Brightens Drab Arabian Sands, 1 ill., Mar. 28, 1949.
New South Wales Shows the Way in Australia, 2 ills., Apr. 4, 1949.
Oil Puts Baton Rouge among 100 Big Cities, 1 ill., Feb. 21, 1949.
Venezuela's New Rulers Control Rich Nation, 2 ills., Jan. 3, 1949.
Onions: U. S. Onion Goes to Aid of Egypt's Farmers, 2 ills., Apr. 11, 1949.
Oysters: "R" Means Nothing to Refrigerated Oyster, 1 ill., May 2, 1949.
Peanuts: Peanuts and Power Paced 1948 Engineering, 1 ill., Jan. 24, 1949.
Pearls: Herring Lends Luster to Artificial Pearls, 1 ill., Apr. 25, 1949.
Venezuela's New Rulers Control Rich Nation, 2 ills., Jan 3, 1949.
Peat: Ills.: Ireland, Republic of, Loaded on donkeys, Jan. 10, 1949. Orkney Islands, Mar. 21, 1949.
Pineapples: Ill.: Hawaii, Preparation for canning, Apr. 25, 1949.
Potatoes: Ills.: Ireland, Republic of, Cork, Jan. 10, 1949. Orkney Islands, Harvesting, Mar. 21, 1949.
Power, Hydroelectric: Britain Plans Dams at Source of Nile, map, Oct. 18, 1948.
Columbia River System Works Hard for Man, 2 ills., Feb. 7, 1949.
Dam at Folsom to Control California Waters, 1 ill., Nov. 8, 1948.
Quinine: *See* Cinchona.
Rice: Ill.: Ceylon, Planting on terraces, Dec. 6, 1948.
Rubber: Ill.: Java, Cutting flaws from sheets of raw rubber, Jan. 17, 1949.
Seafood: Eel Wriggles Way to Top of Nutrition List, 1 ill., Oct. 25, 1948.
Additional ill.: Venezuela, Giant turtle, La Guiara, Oct. 25, 1948.
Silk: Ill.: India, Stringing cocoons, Kashmir, Dec. 13, 1948.
Stores and Bazaars: Ills.: Afghanistan, Kabul, Nov. 29, 1948. Bolivia, Catavi, Nov 15, 1948. Brazil, Toy shop, Rio de Janeiro, Dec. 13, 1948. Ireland, Republic of, Potato market, Cork, Jan. 10, 1949. Nigeria, Kano, Mar. 21, 1949. Yugoslavia, Fruit vendors, Belgrade, Apr. 11, 1949.
Sugar: Hawaii Would Add Tropic Star to Union, 2 ills., Apr. 25, 1949.
Tea: U. S. Tea Board Again Sets Standards, 2 ills., Mar. 28, 1949.
Tin: Unrest Hits Bolivia, the American Tibet, 2 ills., Nov. 15, 1948.
Tomatoes: Unkind Weather Checks Tomato Success Story, 1 ill., Nov. 8, 1948.
Toys: United States Leads in Toy-Trade Revival, 1 ill., Dec. 13, 1948.
Turtles: *See* Seafood.
Uranium: Uranium Found in Canada's Flin Flon Region, 1 ill., Oct. 18, 1948.
Uranium Prospectors Made '48 Banner Year, 1 ill., Jan. 10, 1949.
Vegetables: Ill.: Paraguay, Woman carrying vegetables on head, Feb. 21, 1949.
Weaving: Ill.: India, Weaver, Hyderabad, Oct. 11, 1948.
Wheat: Ill.: Oregon, Harvesting, Nov. 15, 1948.
Wine: Bordeaux Still Thrives on Wine Industry, 1 ill., Feb. 7, 1949.
Wool: New South Wales Shows the Way in Australia, 2 ills., Apr. 4, 1949.

PEOPLE AND CULTURES

Almanacs: Almanacs Feature Year's Weather Forecasts, map, Jan. 17, 1949.
Archeology: Arnhem Land Expedition Reports Progress, 1 ill., Oct. 4, 1948.
"Extinct" Strandloopers Found in Africa, 1 ill., Oct. 25, 1948.
Helicopters and Archeology Mix in Panama, 1 ill., Apr. 11, 1949.
Hyderabad Holds India's Famed Cave Temples, 1 ill., Oct. 11, 1948.
New Road Approaches Ancient Machu Picchu, 2 ills., Nov. 8, 1948.
Architecture: Washington Monument Grounds to Be Changed, 1 ill., Oct. 18, 1948.
Additional ills.: Alaska, Wooden buildings, Kodiak Island, Jan. 31, 1949. Balearic Islands, Stone houses, Banalbufar, Majorca, Mar. 14, 1949. Ecuador, Balconied doorway, Cayambe, Oct. 25, 1948. England, St. Helen's Church, Abingdon, Nov. 15, 1948. Ethiopia, Houses, Addis Ababa, Feb. 21, 1949. France, Gateway, Bordeaux, Feb. 7, 1949. Germany, Gates and buildings, Rothenburg, Feb. 14, 1949. Hungary, Hotel, Budapest, Nov. 8, 1948. Iran, Tomb of Imam Riza, Meshed, Nov. 8, 1948. Mexico, Church, Parangaricutiro, Mar. 7, 1949. New Guinea, Nipa houses, Port Moresby, Apr. 11, 1949. Nigeria, Mud-brick buildings, Kano, Mar. 21, 1949. Orkney Islands, Stone houses, Kirkwall, Mar. 21, 1949. Tibet, Potala at Lhasa, Oct. 4, 1948. Wales, Gateway and Guild Hall, Caernarvon, Feb. 29, 1949.
Arts and Handicrafts: American Masters in the National Gallery (Note following Bulletin No. 2), Oct. 25, 1948.
Basket Weaving Boomed by War and Picnics, 2 ills., Jan. 24, 1949.
Additional ills.: Africa, Cave paintings, Oct. 25, 1948. Australia, Ayers Rock, May 2, 1949. Etruscan

Animals—*Continued*
Great Plains Life Is Struggle with Nature, 1 ill., Feb. 28, 1949.
Teddy Roosevelt Park Recalls Wild-West Days, 1 ill., May 2, 1949.
Versatile Earthworm Is Plowman and Zoo Food, 1 ill., May 9, 1949.
Additional ills.: Australia, Kangaroo and dog, May 2, 1949. China, Camels, Sinkiang, Nov. 29, 1948. Colorado, Sheep, Ouray, Feb. 28, 1949. Ecuador, Dog, Cayambe, Oct. 25, 1948. Frisian Islands, Horse, Apr. 11, 1949. India, Cheetah, Bhavnagar, Mar. 21, 1949; White calf, Kashmir, Dec. 13, 1948. Kansas, Sheep, Horton, Oct. 4, 1948. Lapland, Dog, reindeer, Feb. 28, 1949. Nepal, Elephant, Mar. 21, 1949. Orkneys, Dog, Kirkwall, Mar. 21, 1948. Venezuela, Giant turtle, La Guaira, Oct. 25, 1948. Virginia, Dog, Oct. 11, 1948.
Ants: Like Men, Not All Ants Are Industrious, 1 ill., Jan. 31, 1949.
Birds: Aided by Engines, Man Outspeeds Animals, Mar. 21, 1949.
National Geographic Figures in Science News (Bristle-thighed curlew), 1 ill., Nov. 15, 1948.
Additional ills.: Alaska, Bristle-thighed curlew, Jan. 17, 1949. India, Falcon, Bhavnagar, Mar. 21, 1949. Panama, Barn owls, Parita, Apr. 11, 1949.
Eels: Eel Wriggles Way to Top of Nutrition List, 1 ill., Oct. 25, 1948.
Fish: *See* Eels.
Flowers: Ill.: Florida, Easter lilies, Apr. 11, 1949.
Grasshoppers: Midwest Farmers Fear Bad Grasshopper Year, 1 ill., Feb. 21, 1949.
Insects: *See* Ants, Grasshoppers, Spiders.
Spiders: Spiders Fly on Magic Carpets of Gossamer, 1 ill., Nov. 29, 1948.
Trees: New York's Red Oak May Join State Tree List, 1 ill., Mar. 7, 1949.
Additional ills.: England, Willows, Abingdon, Nov. 15, 1948. Italy, Cypress, Lake Como, Dec. 6, 1948. Libia, Palms, Gialo oasis, Apr. 4, 1949. Mexico, Veracruz, May 9, 1949.

PHYSICAL GEOGRAPHY

General: Orkneys Need No Extra Summer Daylight, 2 ills., Mar. 21, 1949.
Barkhans: "Kitty Hawk" Return Recalls Odd Sidelights, 1 ill., Jan. 10, 1949.
Bays: Ills.: Alaska, Kodiak Island, Jan. 31, 1949. California, San Francisco, Dec. 6, 1948.
Beaches: Treasure-Trove in Millions Awaits Salvaging, 1 ill., Feb. 28, 1949.
Additional ills.: Denmark, Bornholm, Jan. 10, 1949. Frisian Islands, Apr. 11, 1949. Israel, Tel Aviv, Oct. 18, 1948. Marshall Islands, Feb. 14, 1949.
Capes: Ill.: Alaska, Cape Prince of Wales, Oct. 4, 1948.
Caves: Caves Studied for Art, A-Bomb Shelters, 1 ill., Jan. 3, 1949.
Additional ill.: Australia, Ayers Rock, May 2, 1949.
Cliffs: Ills.: Arizona, Along Havasu Creek, Nov. 22, 1948. England, Beachy Head, Nov. 1, 1948. Gibraltar, May 9, 1949. Utah, Grosvenor Arch, Jan. 31, 1949.
Creeks: Ill.: Arizona, Havasu Creek, Nov. 22, 1948.
Deserts: Deserts Form Dry Belt Around Third of Earth, 1 ill., Nov. 29, 1948.
Additional ill.: Libia, Camel caravan, Apr. 4, 1949.
Dust Storms: Ill.: Australia, New South Wales, Apr. 4, 1949.
Earth: Idaho Atomic Plant near "Craters of Moon," 1 ill., Apr. 25, 1949.
National Geographic Figures in Science News, 1 ill., Nov. 15, 1948.
Fog: Fog Is Natural Berlin Air-Lift Enemy, 2 ills., Dec. 6, 1948.
Lakes: Britain Plans Dams at Source of Nile, map, Oct. 18, 1948.
Lake Geneva Waters Sink to Near-Record Low, 1 ill., May 2, 1949.
Siberia's Baikal Is World's Deepest Lake, 1 ill., Mar. 28, 1949.
Submarine Captured in Classic Lake Como, 1 ill., Dec. 6, 1948.
The World's Ten Largest Lakes (Article following Bulletin No. 5), Apr. 25, 1949.
Additional ills.: Canada, Cormorant, Oct. 18, 1948. Mead, Above Hoover Dam, Jan. 31, 1949. Oregon, Lost Lake, May 16, 1949.
Mountains: Highest and Lowest Continental Altitudes (Note following Bulletin No. 4), May 2, 1949.
Icy Mt. Washington Tests WAC Winter Wear, 2 ills., Mar. 14, 1949.
Men Again Challenge India's Killer Mountain, map, Feb. 14, 1949.
States' Highest Points Lure Vacationists, 2 ills., May 16, 1949.
Tai Shan Scaled by Stupendous Stairway, 2 ills., Nov. 1, 1948.
Additional ills.: Austria, Mar. 7, 1949. Gibraltar, May 9, 1949. Italy, Alps at Lake Como, Dec. 6, 1948. Mexico, Veracruz, May 9, 1949. Nepal, Himalayas, Katmandu, Oct. 18, 1948. Norway, At Rjukan, May 9, 1949. Tierra del Fuego, Andes, Nov. 22, 1948. U. S. S. R. (European), At Chubukhli, Dec. 6, 1948. Venezuela, Encircling Caracas, Jan. 3, 1949.
Oases: Ill.: Libia, Gialo, Apr. 4, 1949.
Rivers: Britain Plans Dams at Source of Nile, map, Oct. 18, 1948.
China's Yangtze Now Divides, Not Unites, 1 ill., Jan. 24, 1949.
Columbia River System Works Hard for Man, 2 ills., Feb. 7, 1949.
Danube Flows Wrong Way for Maximum Trade, 2 ills., Nov. 8, 1948.
Lake Geneva Waters Sink to Near-Record Low, 1 ill., May 2, 1949.
Tales of Pirate Gold Cling to Suwannee River, map, Jan. 24, 1949.
The World's Ten Longest Rivers (Note following Bulletin No. 4), Apr. 4, 1949.
Additional ills.: China, Pearl River at Canton, Feb. 21, 1949. England, Thames at Abingdon, Nov. 15, 1948. Ethiopia, Webbe Shibeli, Feb. 21, 1949. Missouri, Mississippi at St. Louis, May 9, 1949. Nepal, Bragmati, Oct. 18, 1948. New Hampshire, Connecticut between Hanover and Norwich, Vermont, Nov. 1, 1948. U. S. S. R. (Asiatic), Angara at Irkutsk, Mar. 28, 1948. Wales, Towy, Feb. 28, 1949. Washington, Spokane River, Feb. 7, 1949.
Sand Dunes: Ill.: North Carolina, Kill Devil Hill, Jan. 10, 1949.
Sea: Expedition Gets First Deep-Sea Color Views, 1 ill., Oct. 11, 1948.
Ocean Gets Saltier, Rivers Are Blamed (Note following Bulletin No. 3), Dec. 13, 1948.
Additional ills.: Hawaii, Territory of, Pacific, Apr. 25, 1949. Israel, Mediterranean at Tel Aviv, Oct. 18, 1948.
Snow: All 48 States Subject to Snowfall, 2 ills., Dec. 13, 1948.
Additional ills.: Colorado, Ouray, Feb. 28, 1949. New Hampshire, On Mt. Washington, 2 ills., Mar. 14 1949. Oregon, On Mt. Hood, May 16, 1949.
Straits and Channels: Bridge Across English Channel Proposed, 1 ill., Nov. 1, 1948.
Swamps: Tales of Pirate Gold Cling to Suwanee River, map, Jan. 24, 1949.
Volcanoes: Hawaii Would Add Tropic Star to Union, 2 ills., Apr. 25, 1949.
Idaho Atomic Plant near "Craters of Moon," 1 ill., Apr. 25, 1949.
New Zealand Adds to World Volcanic Action, 2 ills., Mar. 7, 1949.
Waterfalls: The World's Ten Highest Waterfalls (Note following Bulletin No. 3), Apr. 11, 1949.
Additional ills.: Arizona, Mooney, Nov. 22, 1948. Washington, Spokane, Feb. 7, 1949.
Weather: All 48 States Subject to Snowfall, 2 ills., Dec. 13, 1948.
Almanacs Feature Year's Weather Forecasts, map, Jan. 17, 1949.
Great Plains Life Is Struggle with Nature, 1 ill., Feb. 28, 1949.
Icy Mt. Washington Tests WAC Winter Wear, 2 ills., Mar. 14, 1949.
"Khamsin" Brings Spring to Egypt, 2 ills., Apr. 25, 1949.
Rain Means Life to Mexico's Farmers, 3 ills., May 9, 1949.
Volunteer Observers Aid Weather Bureau, 1 ill., Feb. 14, 1949.

SCIENCE

Atomic Energy: Atomic Center Modernizes Ancient Harwell, 1 ill., Nov. 15, 1948.
Atomic Clock Re-Splits the Split Second, 2 ills., Feb. 7, 1949.
Idaho Atomic Plant near "Craters of Moon," 1 ill., Apr. 25, 1949.

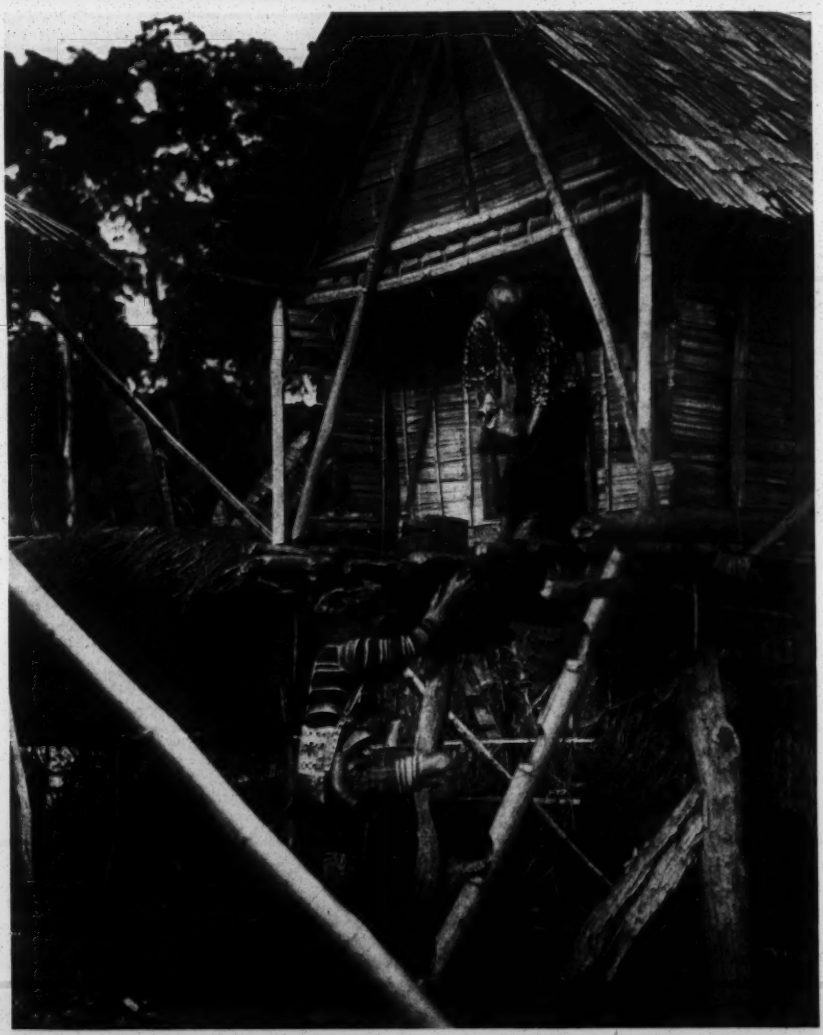
UMI

Indians, American: Havasupai Indians Vote for First Time, 1 ill., map, Nov. 22, 1948.
Tierra del Fuego Goal of Modern Pilgrims, 2 ills., Nov. 22, 1948.
250-Year-Old Cahokia Was Hub of Early West, 1 ill., May 9, 1949.
Additional ills.: Bolivia, Catavi, Nov. 15, 1948. Ecuador, Cayambe, Oct. 25, 1948. Maine, Weaving baskets, Old Town, Jan. 24, 1949. Peru, Dance, Nov. 8, 1948.
Legends and Myths: Ill.: Nepal, Katmandu Valley, Oct. 18, 1948.
Looms: Ill.: India, Weaver, Hyderabad, Oct. 11, 1948.
Monuments and Memorials: Lincoln's Gettysburg Address 85 Years Old, 1 ill., Nov. 29, 1948.
Memorial Research Starts on Pacific Isles, 1 ill., map, Nov. 29, 1948.
Saratoga Park Taps Hudson Valley History, map, Dec. 6, 1948.
Statue of Liberty to Get New Sea Wall, 2 ills., Feb. 14, 1949.
Teddy Roosevelt Park Recalls Wild-West Days, 1 ill., May 2, 1949.
Washington Monument Grounds to Be Changed, 1 ill., Oct. 18, 1948.
Additional ills.: China, Stone animals near Peiring, Jan. 17, 1949; Statue of Sun Yat-sen, Nanking, Jan. 3, 1949. Greenland, Peary monument, Kap York, Oct. 25, 1948. Iran, Tomb of Imam Riza, Meshed, Nov. 8, 1948. North Carolina, Wright monument, Kill Devil Hill, Jan. 10, 1949. Rhodes, Animal statues, Feb. 7, 1949. Siam, Buddha, Ayutthaya, Jan. 10, 1949. Venezuela, Statue of Bolivar, Caracas, Jan. 3, 1949. Virginia, Washington Masonic National Memorial Temple, Alexandria, Mar. 28, 1949.
See also United States: National Park Service areas.
Museums: Ills.: Massachusetts, Peabody, Salem, Feb. 28, 1949. Virginia, Yorktown, Oct. 11, 1948.
Music and Musical Instruments: Congo Drum-Telegraph Replaced by Radio, 1 ill., Mar. 7, 1949.
Additional ills.: Nepal, Flutes and drums, Balaji, Oct. 18, 1948. Saudi Arabia, Oil drum becomes musical drum, Nov. 22, 1948. Solomon Islands, Reed pipe, Jan. 24, 1949.
National Geographic Society: Magazine Portrays Britain's Gifts to World, 2 ills., May 2, 1949.
New Road Approaches Ancient Machu Picchu, 2 ills., Nov. 8, 1948.
Expeditions: Arnhem Land Expedition Reports Progress, 1 ill., Oct. 4, 1948.
Expedition Gets First Deep-Sea Color Views, 1 ill., Oct. 11, 1948.
Finding of Cairn Recalls Peary's Exploits, 1 ill., Oct. 25, 1948.
Gold Inspires Man's Deepest Descents, 1 ill., Feb. 7, 1949.
Helicopters and Archeology Mix in Panama, 1 ill., Apr. 11, 1949.
National Geographic Figures in Science News (Information on bristle-thighed curlew), 1 ill., Nov. 15, 1948.
Scientists Seek Wildlife Secrets in Nepal, 2 ills., Oct. 18, 1948.
Scientists Traverse Nepal's Rugged Roads, 1 ill., Mar. 21, 1949.
Map Supplements: Geographic's New Map of Washington, D. C., Wins Wide Acceptance (Note following Bulletin No. 4), Oct. 11, 1948.
Magazine Portrays Britain's Gifts to World, 2 ills., May 2, 1949.
President: Dr. Gilbert Grosvenor celebrates 50th anniversary as President of the Society and Editor of the Magazine (See Bulletin No. 3, May 2, 1949).
Grosvenor Arch Joins Utah's Natural Wonders, 1 ill., Jan. 31, 1949.
Publications: American Masters in the National Gallery (Note following Bulletin No. 2), Oct. 25, 1948.
Magazine Portrays Britain's Gifts to World, 2 ills., May 2, 1949.
Additional ills.: Alaska, Bristle-thighed curlew, Jan. 17, 1949. Bikini chief studying National Geographic Map of Pacific Ocean showing Marshall Islands, Feb. 14, 1949.
Palaces: *See* Castles and Palaces.
Parades: Ill.: England, Coronation, London, May 2, 1949.
Parks: Ill.: Arizona, Map of Grand Canyon National Park, Nov. 22, 1948.
See also United States: National Park Service areas.
Pins: Safety Pins Have Held up for 40 Centuries, 1 ill., Apr. 4, 1949.
Police: Ill.: Germany, Berlin, Oct. 11, 1948.
Prisons: Ill.: Tierra del Fuego, Ushuaia, Nov. 22, 1948.
Races and Tribes: Arnhem Land Expedition Reports Progress, 1 ill., Oct. 4, 1948.
Australia Deserts to Serve as Rocket Range, 2 ills., May 2, 1949.
Congo Drum-Telegraph Replaced by Radio, 1 ill., Mar. 7, 1949.
"Extinct" Strandloopers Found in Africa, 1 ill., Oct. 25, 1948.
Fighting Senussi of Cirenaica Get Pledge, 1 ill., Apr. 4, 1949.
Gold Rush Lends Color to Bleak Lapland, 2 ills., Feb. 28, 1949.
India's Constitution Bans Untouchability, 1 ill., Jan. 10, 1949.
Meshed Is Mecca for Iran's Shiite Sect, 1 ill., Nov. 8, 1948.
Natal's Indians and Zulus Renew Rioting, 2 ills., Mar. 14, 1949.
Powers Agree on Italian Somaliland, 1 ill., Nov. 1, 1948.
Rain Means Life to Mexico's Farmers, 3 ills., May 9, 1949.
Umiak Passing from Eskimo Scene, 1 ill., Oct. 4, 1948.
Additional ills.: Afghanistan, Moslem, Kabul, Nov. 29, 1948. Africa, Berber woman, Jan. 24, 1949. Arabs, Nov. 22, 1948. Ceylon, Sinhalese women; Sinhalese women and WAC, Dec. 6, 1948. China, Man and woman plowing, Dec. 6, 1948. Ecuador, Indians on Pan American Highway, Cayambe, Oct. 25, 1948. Ethiopia, Feb. 21, 1949. French Indochina, Annamese woman on boat; Tonkin girl eating rice, Mar. 7, 1949. India: Bhavnagar, Mar. 21, 1949; Weaver, Hyderabad, Oct. 11, 1948; Kashmiri woman, Dec. 13, 1948; Silk-factory workers, Kashmir, Dec. 13, 1948. Java, Men working cinchona press, Bandoeng; Woman cutting flaws from raw rubber, Jan. 17, 1949. Lapp woman milking reindeer, Feb. 28, 1949. Maine, Penobscot basket weavers, Jan. 24, 1949. Marshall Islanders, Feb. 14, 1949. Marshall Islands, Bikini chief looking at map, Feb. 14, 1949. Nepal, Mar. 21, 1949. New Guinea, Papuans, Port Moresby, Apr. 11, 1949. Nigeria, Merchants, Kano, Mar. 21, 1949. Paraguay, Woman carrying fruit, Asunción, Feb. 21, 1949. Philippines, Republic of the, Bagobo man and woman, May 16, 1949. Saipan, Chamorro girl, Nov. 29, 1948. Saudi Arabia, Oil driller, Mar. 28, 1949. Solomon Islands, Siwai pipe-player, Jan. 24, 1949. Tokelau Islanders, Jan. 31, 1949.
Red Cross: Ill.: Germany, American Red Cross girl, Berlin, Oct. 11, 1948.
Religious Groups and Ceremonies: India's Constitution Bans Untouchability, 1 ill., Jan. 10, 1949.
Meshed Is Mecca for Iran's Shiite Sect, 1 ill., Nov. 8, 1948.
Additional ill.: Natal, Hindu procession, Durban, Mar. 14, 1949.
Restoration: War-Battered Caen Rebuilding University, map, Dec. 13, 1948.
Schools: *See* Educational Institutions.
Signs: Ills.: China, Dairy, Nanking, Jan. 3, 1949. Egypt, Cairo, Apr. 25, 1949. Spider webs on, Nov. 29, 1948.
Soldiers: Ills.: Germany, U. S., Berlin, Oct. 11, 1948. Virginia, Yorktown, Oct. 11, 1948.
Statues and Images: Figureheads Adorn New Norwegian Freighters, 1 ill., Feb. 28, 1949.
See also Monuments and Memorials.
Students: Ills.: Austria, In coffeehouse, Vienna, Jan. 3, 1948. England, Edward VI Grammar School, Bury St. Edmunds, May 2, 1949. France, In Lascaux Cave, Jan. 3, 1949.
Towers: Ills.: England, Windsor, May 2, 1949. Germany, Rothenburg, Feb. 14, 1949. Rhodes, Feb. 7, 1949.
Universities and Colleges: *See* Educational Institutions.
Vendors: Ills.: Afghanistan, Kabul, Nov. 29, 1948. Yugoslavia, Belgrade, Apr. 11, 1949.
Warfare: Australia Deserts to Serve as Rocket Range, 2 ills., May 2, 1949.
Weapons: Ills.: Australia, Spear, May 2, 1949. Florida, Gun of British warship, Feb. 28, 1949. Virginia, Battery at Yorktown: British naval gun, Oct. 11, 1948.

NATURAL HISTORY

General: Scientists Seek Wildlife Secrets in Nepal, 2 ills., Oct. 18, 1948.
Animals: Aided by Engines, Man Outspeeds Animals, 1 ill., Mar. 21, 1949.
Bloodhound Gentle Beast Despite Reputation, 1 ill., Apr. 4, 1949.
Britain Maintains Gibraltar's Ape Guard, 1 ill., May 9, 1949.

Atomic Energy—*Continued*
See also Commerce, Industry, and Agriculture: Uranium.
Aviation: Helicopters and Archeology Mix in Panama, 1 ill., Apr. 11, 1949.
"Kitty Hawk" Return Recalls Odd Sidelights, 1 ill., Jan. 10, 1949.
Engineering: Britain Plans Dams at Source of Nile, map, Oct. 18, 1948.
China's Yangtze Now Divides, Not Unites, 1 ill., Jan. 24, 1949.
Dam at Folsom to Control California Waters, 1 ill., Nov. 8, 1948.
Dam in Maine to Drown Benedict Arnold Site, 2 ills., Apr. 4, 1949.
Peanuts and Power Paced 1948 Engineering, 1 ill., Jan. 24, 1949.
Additional ill.: Arizona-Nevada, Hoover Dam, Jan. 31, 1949.
Machinery, Instruments, Etc.: Ills.: Hawaii, Territory of, Sugar-cane flume on Hawaii, Apr. 25, 1949. Instruments for taking ocean-bottom samples and temperatures, Oct. 11, 1948. New Hampshire, Anemometer, Mt. Washington, Mar. 14, 1949. New York, Farm machinery, Apr. 11, 1949. United States, Radiosonde, Feb. 14, 1949.
Photography: Expedition Gets First Deep-Sea Color Views, 1 ill., Oct. 11, 1948.
National Geographic Figures in Science News, 1 ill., Nov. 15, 1948.
Research: Memorial Research Starts on Pacific Isles, 1 ill., map, Nov. 29, 1948.
Seiches: Lake Geneva Waters Sink to Near-Record Low, 1 ill., May 2, 1949.
Television: Ill.: United States, Televising football game, Nov. 22, 1948.



WILLARD PRICE

THESE BAGOBOS REACH THEIR SPLIT-BAMBOO HOME BY CLIMBING A NOTCHED BAMBOO POLE

On Mindanao, second-largest island of the Philippines, many householders build on stilts even where there is no flood danger. Such huts are more airy and private. They are free from dogs and rats. The disk near the top of each stilt is a rat guard.